

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2002090386
 PUBLICATION DATE : 27-03-02

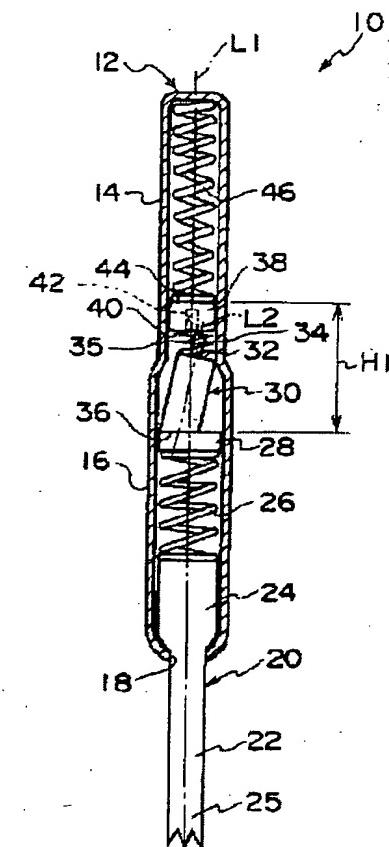
APPLICATION DATE : 18-09-00
 APPLICATION NUMBER : 2000282682

APPLICANT : FUJI PHOTO FILM CO LTD;

INVENTOR : OTAKA HIROYUKI;

INT.CL. : G01R 1/067 G01R 31/02 H05K 3/00

TITLE : CONTACT PIN FOR INSPECTION OF PRINTED BOARD



ABSTRACT : PROBLEM TO BE SOLVED: To provide a contact pin for inspection of a printed board ensuring electric continuity to an inspection part.

SOLUTION: This contact pin 10 has a needle 20 housed in a large cylinder part 16 of a sleeve 12 and slidable in the shaft direction, and a supporting head 28, an inclined head keeping an inclined attitude, a spring 35, and a receiving head 38 are arranged between a spring 26 energized in the tip projecting direction of the needle 20 and a spring 46. When a tip 25 of the needle 20 is pushed against an inspection part of the printed board, the inclined head 30 is moved according to the sliding action of the needle 20 and vertically stands by guide of an inner wall surface 14A of a small cylinder part 14. A pin 34 formed on a peak surface 32 of the inclined head 30 is inserted into a hole 42 of the receiving head mainly by the energizing force of the spring 46, both heads collide with each other through the closely contacted spring 35, and shock force by collision is added to the needle 20.

COPYRIGHT: (C)2002,JPO